

Converting Colors

XYZ(40.2710, 48.9348, 42.0100)

Have a look what the booklet for
XYZ(40.2710, 48.9348, 42.0100)
contains.

XYZ(40.2265, 48.9437, 41.9772)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.2265, 48.9437,
41.9772)**

Conversions

Conversions Part 1

Format	Color
Hex	9EC3A3
RGB	158, 195, 163
RGB Percent	62%, 76%, 64%
CMY	0.3804, 0.2353, 0.3608
CMYK	0.19, 0.00, 0.16, 0.24
HSL	128°, 24%, 69%
HSV	128°, 19%, 76%
XYZ	40.2265, 48.9437, 41.9772
YIQ	180.2890, -11.7800, -17.7960

Conversions

Conversions Part 2

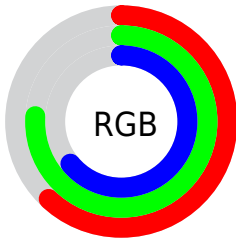
Format	Color
RYB	158, 191, 195
Decimal	10404771
CIELab	75.42, -18.64, 12.05
CIELCh	75, 22.193, 147.107
Yxy	48.9437, 0.3067, 0.3732
Android (android.graphics.Color)	4288594851 (0xFF9EC3A3)
YUV	180.2890, -8.5235, -19.5475
Hunter-Lab	69.9598, -19.7930, 13.3967

Details

The XYZ color **40.2265, 48.9437, 41.9772** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.0285, 39.7746, 54.0741**, and the grayscale version is **43.5877, 45.8577, 49.9390**.

A 20% lighter version of the original color is **74.9059, 88.8289, 79.5274**, and **18.3380, 23.2616, 18.5624** is the 20% darker color. If you saturate the color by 10%, you get **35.2793, 46.5578, 34.3769**, and if you desaturate by 10%, it is **45.9866, 51.7281, 50.6696**.

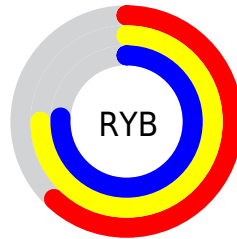
Distribution



Red (62%)

Green (76%)

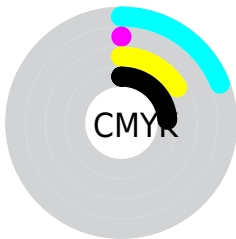
Blue (64%)



Red (62%)

Yellow (75%)

Blue (76%)

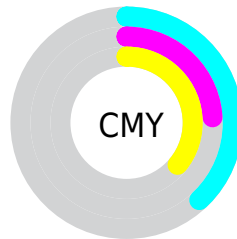


Cyan (19%)

Magenta (0%)

Yellow (16%)

Black (24%)



Cyan (38%)

Magenta (24%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2265, 48.9437, 41.9772 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 40.2265, 48.9437, 41.9772 by changing the saturation by 10% instead.

■ 40.2265, 48.9437,
41.9772

■ 40.2265, 48.9437,
41.9772

338.1954,
382.5206, 370.1853

■ 27.9002, 34.5748,
28.7580

■ 74.7904, 88.6078,
79.4348

■ 18.3905, 23.3355,
18.6538

■ 97.7588, 114.6719,
104.5104

■ 11.3321, 14.8415,
11.2461

125.0052,
145.4031, 134.3751

■ 6.3596, 8.7082,
6.1164

156.8950,
181.1859, 169.4475

■ 3.1077, 4.5513,
2.8461

193.7935,
222.4046, 210.1462

■ 1.2110, 1.9865,
1.0166

236.0662,

■ 0.1150, 0.5996,

269.4437, 256.8897

0.0000

284.0784,
322.6876, 310.0965

■ 0.0000, 0.0000,
0.0000

■ 40.2265, 48.9437,
41.9772

■ 40.2265, 48.9437,
41.9772

■ 35.2793, 46.5578,
34.3769

■ 45.9866, 51.7281,
50.6696

■ 31.1043, 44.5463,
27.8224

■ 52.5899, 54.9217,
60.4916

■ 27.6637, 42.8920,
22.2689

■ 60.0698, 58.5422,
71.4827

■ 24.9145, 41.5737,
17.6672

■ 68.4570, 62.6047,
83.6796

■ 22.8093, 40.5682,
13.9636

■ 77.5952, 67.0278,
97.1089

■ 21.2948, 39.8493,
11.0995

■ 78.8061, 67.5122,
103.4854

■ 20.3086, 39.3861,
9.0090

■ 19.7516, 39.1293,
7.6153

■ 19.7065, 39.1083,
7.5081

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.0290, 48.9437, 35.6595



40.2265, 48.9437, 41.9772



39.1025, 48.9437, 52.1634

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.2265, 48.9437, 41.9772



46.1240, 48.9437, 79.0840



53.8731, 48.9437, 43.6779

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



40.2265, 48.9437, 41.9772



44.0285, 39.7746, 54.0741

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



54.8197, 48.9437, 54.4355



40.2265, 48.9437, 41.9772



50.1939, 48.9437, 75.9466

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.2265, 48.9437, 41.9772



42.3801, 48.9437, 74.5170



53.4368, 48.9437, 66.4752



50.9201, 48.9437, 36.5356

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.2265, 48.9437, 41.9772



39.4041, 48.9437, 60.1915



53.4368, 48.9437, 66.4752



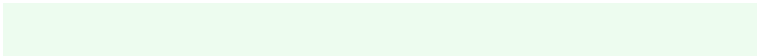
54.4437, 48.9437, 46.9398

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



40.2278, 48.9458, 41.9783



85.6100, 94.2132, 95.6055



46.9406, 52.4571, 39.9994



18.5805, 20.5509, 20.6871



0.0000, 0.0000, 0.0000



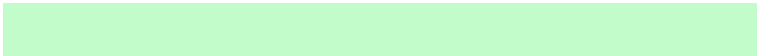
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.2278, 48.9458, 41.9783



67.9877, 85.6996, 68.9802



42.0022, 49.6555, 51.3220



9.9986, 11.2805, 10.9961



12.8258, 25.4244, 4.9759



0.5726, 1.1059, 0.3119

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



44.0285, 39.7746, 54.0741



76.1069, 66.1038, 94.8172



42.1389, 39.0188, 44.1234



10.4368, 10.2233, 12.3910



19.2833, 9.4031, 25.2019



0.8497, 0.4129, 1.1760

Previews

White Background



This preview shows how the XYZ color 40.2265, 48.9437, 41.9772 looks on a white background.

Color Contrast Check

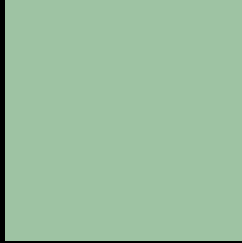
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 40.2265, 48.9437, 41.9772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2265, 48.9437, 41.9772

Background



This preview shows how black text looks on a background with the XYZ color 40.2265, 48.9437, 41.9772.



This preview shows how white text looks on a background with the XYZ color 40.2265, 48.9437,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.2265, 48.9437, 41.9772

Protanopia

46.0262, 48.7686, 39.3352

Deuteranopia

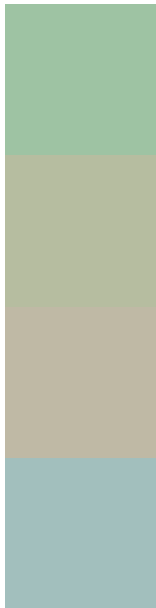
49.5814, 48.6950, 42.8622



Tritanopia

44.6137, 48.7542, 64.1858

Trichromacy



Original Color

40.2265, 48.9437, 41.9772

Protanomaly

43.8342, 48.8783, 40.3819

Deuteranomaly

45.6264, 48.4909, 42.5522

Tritanomaly

42.7164, 48.6171, 55.2768

Monochromacy



Original Color

40.2265, 48.9437, 41.9772

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.0022, 46.5246, 46.8108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2265, 48.9437, 41.9772 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(158, 195, 163)` looks like.

```
.text, #text, p{  
    color:rgb(158, 195, 163)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(158, 195, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 195, 163) }
```

Border

The CSS property to change the border of an element to XYZ 40.2265, 48.9437, 41.9772 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 195, 163) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(158, 195, 163) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(158, 195, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 195, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 195, 163);  
box-shadow:4px 4px 4px 4px rgb(158, 195,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2265, 48.9437, 41.9772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 195, 163) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(158,  
195, 163) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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